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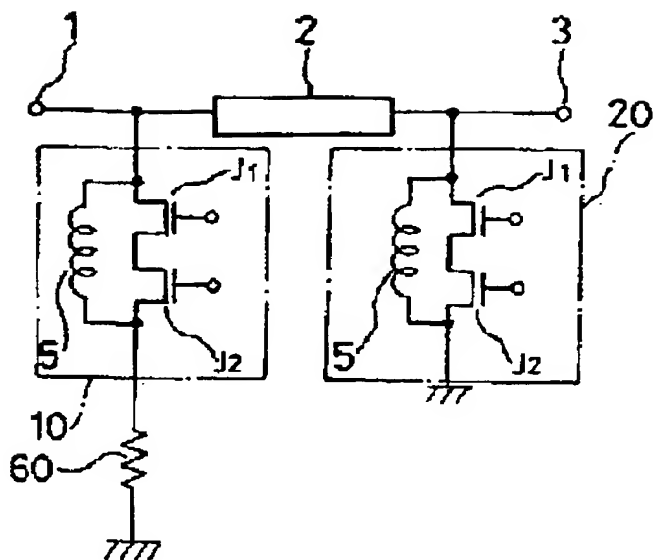
APPLICATION DATE : 26-08-91
APPLICATION NUMBER : 03242789

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : NAKAHARA KAZUHIKO;

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TITLE : MICROWAVE SWITCH



ABSTRACT : PURPOSE: To obtain a microwave switch capable of switching microwaves between two frequency levels.

CONSTITUTION: A transmission line having electric length of $1/4$ wavelength for microwaves with frequency f_1 and electric length of $3/4$ wavelength for microwaves with frequency f_3 are connected, two field effect type transistors (TRs) J_1 , J_2 are serially inserted between either one of the two transmission lines and ground and an inductor 5 is connected in parallel with serially connected FETs J_1 , J_2 . A prescribed TR J_1 out of the two TRs is turned on/off to change the resonance frequency of parallel circuits 10, 20 each of which consists of the inductor and two TRs.

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